ARTIST™

Augmented Reality Integrated Training System

ARTIST unifies live and virtual training methods to create a training solution that overcomes the limitations of live training.

ARTIST is Elbit Systems' innovative, embedded, hybrid-live virtual training suite for combat vehicles and operators of electro-optic sensors. ARTIST stretches the concept of "train as you fight" to its limits, presenting the ultimate solution to the restrictions of live training, by creating real-life mission-training scenarios that support operators of land, air and naval forces.

As REAL as VIRTUAL Gets

ARTIST introduces a comprehensive, highly realistic virtual layer composed of entities and effects into the live training platforms. This allows the trainee to operate all sensors and systems against an AR-enriched real-world view. The enriched training environment looks, sounds, behaves and reacts as it would in an operational scenario, providing trainees with an all-encompassing training experience.

Elbit Systems™

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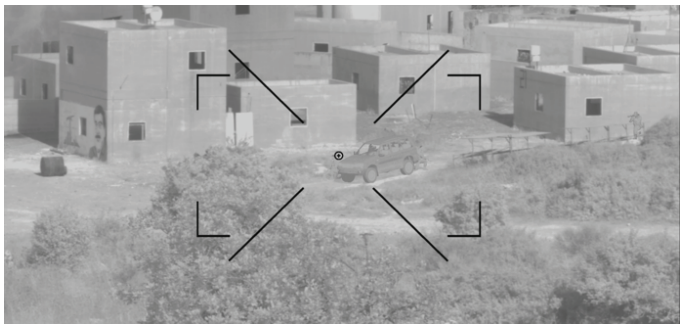
Train as You Fight

Tailored to any combat platform that utilizes electro-optic sensors and systems, ARTIST is operated through various visual displays, such as screens, multi-function displays, helmets and heads-up displays. The virtual components are also integrated into other operational devices, including radars, C⁴Is and more.

In this comprehensive virtual arena, ARTIST allows operators to train on detection, recognition, identification, fire procedures and protocols, against authentic virtual opposing forces. The platform supports coordinated and synchronized, day and night, all-scenario training, from a single vehicle to a combined-arms formation at the platoon or company level.



Core Technologies

- Embedded training unit based on Elbit Systems' extensive experience
- Elbit Systems' cross-platform, exercise management system and simulation engine
- Standard military connections and interfaces
- Image-processing algorithms and terrain enquiries
- Real-time communication

Features

- Integrated into the entire operational scheme - electro-optic sensors, displays, radars, C⁴I, aiming and firing, and ballistic simulation
- Highly accurate behavior, positioning and visualization
- Complete interaction between real-world and virtual arena
- Special effects - smoke, explosion, dust and more
- Mobile or stationary Training Control Center - real-time impact on training scenario
- Comprehensive debriefing capabilities

Operational Benefits

- Trains operators on real sensors and systems, confronting them with real-world challenges
- Creates a live and dynamic training scenario, including moving targets
- Supports day and night training
- Reduces training costs, resources and logistics
- Enhances training efficiency
- Minimizes safety implications
- Supports various platforms and forces
- Enables crew and formation training scenarios

Elbit Systems Ltd.
Advanced Technology Center, P.O.B. 539, Haifa 3100401, Israel
E-mail: aerospace@elbitsystems.com www.elbitsystems.com

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